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	AF								 	Bass "CETI 1.3 kilowatt reactor demonstrated", Cold Fusion Times, 4, 1, 4 (1996)
•	AG			-	.					Beauette, Paxton Lectureship - CF and the Press, Cold Fusion Times, 1, 4, 5 (1994)
. 1 .	AF								,	Beauette, TORCH, 66, 3-7, (1993)
	AG									Biberian, Excess Heat in AlLaO3 Doped with D", ICCF-5 Proceedings, Monaco, 49-56 (1995)
	АН									Bishop "Scientist Press Search for CF" Wall Street Journal, 7/14/94 pge 1
	AI									Bishop, "It aint over till its over Cold Fusion", Popular Science, August 1993, 47
	AJ									Bishop, US Research Claims to Replicate Japanese Experiment, Wall Street Journal, 7/27/92
	AK									Bittner, et alia, "Evidence for the Production of d-d Fusion Neutrons", Fusion Technology, 19, 2119, (91)
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APPLICANT: Mitchell R. Swartz

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	AE									Bockris JO'M; Fusion Technol. 18 (1990) 523.'A revie of the investigations of the Fleischmann-Pons phenomena'.
,	ΑF									Bush, et al, Nuclear Products Helium Commensura to Heat Generation, Abstract ICCF-6 P-079 (1996)
	AG							,		Bush, R D. Eagleton, "Evidence for Electrolytical Induced Transmutation and Radioactivity Correlated wi Excess Heat in Electrolytic Cells with Light Wat Rubidium Salt Electrolytes," Transactions of Fusion Technology, 26, 431-441, (Dec. 1994)
	AF						-			Bush RT; Fusion Technol. 19 (1991) 313.Cold 'fusion The transmission resonance model fits data on exce heat; predicts optimal trigger points, and suggests nucle reaction scenarios.
	AG.					-				Bush BF, Lagowski JJ, Miles MH, Ostrom GS Electroanal. Chem. 304 (1991) 271 Helium production during the electrolysis of D2O in cold fusion experiment
	АН									Celani F, Spallone A, Tripodi P, Cold Fusion Times 5, (1997) High Power microsecond pulse electrolys Anomalous Excess Heat, Cold Fusion Times, 5, 1 (1997)
	AI									Celani F, Spallone A, Tripodi P, Fusion Technol. (1996) 398 Reproducible D/Pd ratio > 1 and excess he correlation by 1-microsec-pulse, high-curre electrolysis.
	AJ									Celani F, Spallone A, Fusion Technol. 17 (1997) 718. Further measurements on electrolytic cold fusion w D2O and palladium at Gran Sasso Laboratory.
her.	AK									G.Cerofolini, et alia, Fusion Technology, 23, 465-4 (1993); Giant Neutron Trapping by a Molecular Special Produces During the Reaction of D+ with H- in Condensed Phase
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

EXAMINERExaminer: Palabrica, R.J.

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alloys", Abstract ICCF-6 O-031 (1996)

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SERIAL NO. ATTY DOCKET NO. FORM PTO-1440 (modified) Serial no. 09/750, 480 89-VIB (cont) LIST OF PATENTS AND APPLICANT: Mitchell R. Swartz **PUBLICATIONS FOR APPLICANT'S** INFORMATION DISCLOSURE GROUP: **STATEMENT** FILING DATE: 3641 12/28/00 U.S. PATENT DOCUMENTS REFERENCE DESIGNATION SUBCLAS **FILING** NAME DOCUMENT NUMBER DAT **EXAMINER** DATE INITIAL AA AB AC FOREIGN PATENT DOCUMENTS SUB **TRANS** COUNTRY DOCUMENT NUMBER DATE **EXAMINER** LATION CLASS INITIAL ADOTHER ART (including Author, Title, Date, Pertinent Pages, Etc.) Claytor et alia, Tritium Production from a Low Voltage AE Deuterium Discharge", Cold Fusion Times, 4, 3, pp 7-9 (1996)Cravens, "Comments on Steve Jones' Theory AF Recombination", Cold Fusion Times, 4, 2, 9 (1996) Deninio, et alia, Europhysics Letters, 9 (3), 221-224 AG (1989)EPRI Report Summary, "Development of Advanced AF Concepts for Nuclear Process in Deuterated Metals", Cold Fusion Times, 4, 3, pp1,7 (1996) Fleischmann M, Pons S; Cold Fusion Times, 1, 3, AG. pp1,2,6,8,10 (1993), "Response to Critique of Physics Letter A Paper" Fleischmann M, Pons S; Some comments on the paper AH Analysis of experiments on the calorimetry of LiOD-D2O electrochemical cells, R.H. Wilson et al., J. Electroanal. Chem. 332 (1992) 1. Fox, Summary of 2nd LENR Conf, Fusion Facts, (1996) ΑI Fox, Cold Fusion Impact, ISBN 096349780-7, (1992) AJ Gozzi D, Cignini PL, Petrucci L, Tomellini M, De Maria ΑK G, Frullani S, Garibaldi F, Ghio F, Jodice M, Tabet E; J. Fusion Energy 9 (1990) 241 Nuclear and thermal effects during electrolytic reduction of deuterium at palladium cathode. DATE CONSIDERED **EXAMINER**Examiner: Palabrica, R.J.

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

EXAMINERExaminer: Palabrica, R.J

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EXAMINERExaminer: Palabrica, R.J EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

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	AF								·	Li "Normal Temperature Fusion in China", Cold Fusion Times, 4, 3, pp10,5 (1996)							
· ·	AG							v		Li et al, "solving the Puzzle of Excess Heat", ICCF- Proceedings, Monaco, 285-292 (1995)							
. ,	AF									Lonchampt, et alia, "Reproduction of FP Experiments' Cold Fusion Times, 5, 1, page 10 (1997)							
	AG				:.					Lonchampt, et alia, "Reproduction of FP Experiments' Abstract ICCF-6 O-044(1996)							
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	AI									Mallove, "Helium-4 Generation from Ultrasound", Co. Fusion Times, 3, 1, p7 (1995)							
	AJ									Mallove, "Cold Fusion", Cold Fusion, 1, 1, pages 4-(1994)							
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

DATE CONSIDERED

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EXAMINERExaminer: Palabrica, R.J.

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Cathode, Cold Fusion Times, 4, 4, 1-5 (1996)

Mizuno, et al, Anomalous Isotopic Distributionn in Pd

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

**EXAMINER** Examiner: Palabrica, R.J.

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ATTY DOCKET NO. 13 SERIAL NO. FORM PTO-1440 (modified) Serial no. 09/750, 480 - 89-VIB (cont) APPLICANT: Mitchell R. Swartz LIST OF PATENTS AND **PUBLICATIONS FOR APPLICANT'S** GROUP: INFORMATION DISCLOSURE FILING DATE: 3641 12/28/00 STATEMENT **...U.S. PATENT DOCUMENTS** REFERENCE DESIGNATION SUB: **FILING** NAME CLASS DAT **EXAMINER** DOCUMENT NUMBER CLASS DATE INITIAL AA ΑB AC FOREIGN PATENT DOCUMENTS CLASS SUB DATE COUNTRY DOCUMENT NUMBER **EXAMINER** CLASS INITIAL AD OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.) Rehn, Ahmad, Office Naval Research, NAVSO P-3580 ΑE 18, 1, Rice, et al, "Tole of Velocity Distribution in D D Fusion AF Technology, 18, 147 (90) Rothwell, "The business of Cold Fusion", Cold Fusion AG Times, 4, 2, pp6 and 9 (1995) Rothwell, "CF quietly takes off in Japan", COLD AF FUSION, 1, 1, 24-31 (1994) Rothwell, "CF in Japan", Cold Fusion Times, 1, 3, AG pp1,7,9 (1993) Rothwell, Mallove, "Report on Important Meeting with AH. US Congress", Cold Fusion Times, 1, 3, pp1,4,8 (1993) Rothwell, "CF and History", Cold Fusion Times, 1, 2, pp6 ΑI (1993)Rout, et al, "Detection of High Tritium Activity", Fusion AJ Technology, 19, 391 (91) Samgin et alia, "Cold Fusion and anomalous effects in ΑK deuteron conductors", ICCF-5 Proceedings, Monaco, 201-208 (1995) DATE CONSIDERED EXAMINERExaminer: Palabrica, R.J.

SERIAL NO ATTY DOCKET NO. FORM PTO-1440 (modified) Serial no. 09/750, 480 89-VIB (cont) APPLICANT: Mitchell R. Swartz LIST OF PATENTS AND **PUBLICATIONS FOR APPLICANT'S** GROUP: FILING DATE: INFORMATION DISCLOSURE 3641 12/28/00 **STATEMENT** U.S. PATENT DOCUMENTS REFERENCE DESIGNATION SUB ILING CLASS NAME DAT DOCUMENT NUMBER **EXAMINER** CLASS INITIAL AA AB AC FOREIGN PATENT DOCUMENTS CLASS COUNTRY DATE DOCUMENT NUMBER **EXAMINER** INITIAL AD OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.) Samgin et alia, "Influence of Conductivity" (1994) AE Sapogin, "Energy Generation Mechanism", Cold Fusion AF Times, 3, 2, p5 (1995) Savvatimova, Karabut, ICCF-5 Proceedings, Monaco, AG 209-212 (1995) Savvatimova, Karabut,"Cathode Material Change after AF Deuterium Glow Discharge Experiment", Trans Fusion Technology, vol26, 389-394 (1994) Schneider, "Rectangular Potential", Fusion Tech, 16, 377, AG (1989( Schwinger, "CF- does it have a Future?", COLD AH' FUSION, 1, 1, 14-17 (1994) Scott CD, Mrochek JE, Scott TC, Michaels GE, Newman ΑI E, Petek M; Fusion Technol. 18 (1990) 103. Measurement of excess heat and apparent coincident increases in the and gamma-ray count rates during the neutron electrolysis of heavy water. Srinivasan M; Curr. Sci. 60 (1991) 417. Nuclear fusion AJ in an atomic lattice: An update on the international status

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

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## FORM PTO-1440 (modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO. 480-Series I

SERIAL NO. Serial no. 09/ 750, 480

APPLICANT: Dr. Mitchell Swartz

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	AU						*			Bass, Theoretical and Expe AMERICAN NUCLEAR LOW-ENERGY NUCLE	SOCIE	TY, ACTIO	NS (20	000)
	AV			-						Beaudette, Charles G. EXC Fusion Research Prevaile Oak Grove Press, LLC, IS	d, Secon SBN 9-9	d Editi 678548	on, 20 3-2-2	)02, 
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					1						NUCLEAR SOCIETY, (2000)	<u> </u>	<u> </u>			
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SERIAL NO. ATTY DOCKET NO. Serial no. 09/750, 480 480-Series I FORM PTO-1440 (modified) APPLICANT: Dr. Mitchell Swartz LIST OF PATENTS AND **PUBLICATIONS FOR APPLICANT'S** GROUP: FILING DATE: INFORMATION DISCLOSURE 3641 Filed: 12/28/2000 **STATEMENT** U.S. PATENT DOCUMENT REFERENCE DESIGNATION CLASS DATE DOCUMENT NUMBER **EXAMINER** INITIAL FOREIGN PATENT DOCUMENTS SUB COUNTRY DOCUMENT NUMBER EXAMINER INITIAL OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.) Celani et alia, The Effect of g-b Phase on H(D)/Pd AR Overloading, ICCF7, Vancouver, Canada, 1998 Fisher, Polyneutron Chain Reactions, TRANS. AS AMERICAN NUCLEAR SOCIETY, (2000) Goddard, Dash, Characterization of Uranium AT Codeposited with Hydrogen on Nickel Cathodes, TRANS. AMERICAN NUCLEAR SOCIETY, (2000)Hagelstein, Theory for Anomalies in Metal AU Deuterides, TRANS. AMERICAN NUCLEAR SOCIETY, (2000) Hagelstein, Anomalies in Metal Deuterides, COLD  $\mathsf{AV}$ FUSION TIMES, Volume 10, Number 1, 2003 Hora, Heinrich, Univ of New South Wales, Australia, AXGeorge H. Miley, Univ of Illinois, IWAMURA, OBSERVATION OF LOW ENERGY ΑY NUCLEAR REACTIONS INDUCED BY D 2 GAS PERMEATION THROUGH PD COMPLEXES, Proc-ICCF-9 IWAMURA, Mitsubishi, Elemental Analysis of Pd AZComplexes: Effects of D2 Gas, Jpn. J. Appl. Phys. Vol. 41 (2002) pp. 4642-4650, Part 1, No. 7A, July

EXAMISNER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

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**EXAMINER**: Examiner: Palabrica, R.J.

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FORM PTO-1440 (modified)

ATTY DOCKET NO. 480-Series I

SERIAL NO. Serial no. 09/750, 480

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE **STATEMENT** 

APPLICANT: Dr. Mitchell Swartz

FILING DATE: Filed: 12/28/2000

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FOREIGN PATENT DOCUMENTS

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		CO	H	ER	A	RT	(in	clu	ding Au	thor, Title, Date, Pertinent Pages, Etc.)
	AR									Melich, Michael E., Wilford N. Hansen, Back to the Future The Fleischmann-Pons Effect (1994)
	AS									MILES, BUSH, Calorimetric Principles and Problems in Pd-D2O Electrolysis, Proc-ICCF-3 1991. Nagoya, Japan:, Universal Academy Press, Inc., Tokyo: p. 113.
	AT								j.	Merriman, A critical Report of ILENR2, Cold Fusion Times Fall 1996
	AU									Miles, Szpak, THERMAL BEHAVIOR OF POLARIZED Pd/D ELECTRODES PREPARED BY CO-DEPOSITION, Proc-ICCF-9 2002.
	AV		-							Miles, Reply to Jones, Physical Chemistry B, 102, 3642
	AX		:							Miles, Imam, Fleischmann, Excess Heat and Helium Production in the Palladium-Boron System, TRANS. AMERICAN NUCLEAR SOCIETY, (2000)
	AY					+-				Miles, M. B.F. Bush, Radiation Measurements at China Lake: Real or Artifacts?, Proc-ICCF-7 1998
	AZ									Miles, M., K.B. Johnson, and M.A. Imam.  Electrochemical loading of hydrogen and deuterium into palladium and palladium-boron alloys.  Proc-ICCF-6 1996.
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APPLICANT: Dr. Mitchell Swartz

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	AR									Miles, NAWCWPNS TP 8302, ANOMALOUS EFFECTS IN DEUTERATED SYSTEMS, 1996, NAVAL AIR WARFARE CENTER
	AS		-			-		-	-	Miles, THE ELEVATION OF BOILING POINTS IN H2O AND D2O ELECTROLYTES, The Ninth International Conference on Cold Fusion. 2002. Beijing, China: Tsinghua University.
	AT							<del> </del> -		Miley, Some Personal Reflections on Scientific Ethics and the Cold Fusion "Episode", Accountability in Research, 2000. 8: p. 121
	AU									Miley, Advances in Thin-Film Proton-Reaction Cell Experiments, TRANS. AMERICAN NUCLEAR SOCIETY, LOW-ENERGY NUCLEAR REACTIONS (2000)
	AV									Miley, On the Reaction Product and Heat Correlatio for LENRs, 8th International Conference on Cold Fusion. 2000. Lerici (La Spezia), Italy: Italian Physical Society, Bologna, Italy.
	AX					-				Miley, Progress in thin film LENR Research. in The Ninth International Conference on Cold Fusion.2002. Beijing, China
	AY									MIZUNO, Confirmation of heat generation and anomalous element caused
	AZ		-			+				Mizuno, Neutronics, Heat and Products Induced by Plasma Electrolysis, TRANS. AMERICAN NUCLEAR SOCIETY, (2000)
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	AU										Mizuno, Tadahiko, Tada Akimoto and Akito Tak during Plasma Electrol Phys. Vol.39 (2000)	canasni, P ysis in Lic	rodució luid, Jp	n. J. Appl.
	AV										Mizuno, Relation Betwe Deuterium Permeation Proc-ICCF-9 2002.	with A.F	allaulu	III Elocator
	AX	ζ .									Oriani, R. A., J. C. Fish Tracks during Electrol 41 (2002) pp. 6180–6 2002	lysis, Jpn. 183, Partl	, No. 10	), October
	A	Y		-							Oriani, R.A. Anomalou Produced by Electroly	ysis. Proc-	ICCF-/	
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SERIAL NO. Serial no. 09/ 750, 480

APPLICANT: Dr. Mitchell Swartz

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APPLICANT: Dr. Mitchell Swap 2 8 2003

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	AS										Mathematical Physics" (1929)  Joseph Ames and Francis Murnaghan.  pages 124 to 139
	AT										"Analytical Mechanics" (1962) Grant Fowles. pages 80 through 84 pages 43 through 45 pages 51 through 55.
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**EXAMINER** 

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DATE CONSIDERED

Swartz. M., 1997, "Codeposition Of Palladium And Deuterium", Fusion Technology, 32. 126-130 (1997)

Examiner: Palabrica, R.J.

ATTY DOCKET NO. SERIAL NO. FORM PTO-1440 (modified) Serial no. 09/750, 480 89-VIB (cont) LIST OF PATENTS AND APPLICANT: Mitchell R. Swartz **PUBLICATIONS FOR APPLICANT'S** INFORMATION DISCLOSURE GROUP: FILING DATE: STATEMENT 6**2**18 2003 12/28/00 U.S. PATENT DOCUM REFERENCE DESIGNATION CLASS NAME DAT DOCUMENT NUMBER EXAMINER CLASS INITIAL AA AB AC FOREIGN PATENT DOCUMENTS SUB **TRANS** CLASS COUNTRY DOCUMENT NUMBER DATE **EXAMINER** CLASS LATION INITIAL AD OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.) Swartz. M., 1997, "Consistency of the Biphasic Nature of Excess Enthalpy in Solid State Anomalous Phenomena with the Quasi-1-Dimensional Model of Isotope Loading into a Material" Fusion Technology. 31, 63-74 ΑE Swartz, M., 1997, "Phusons in Nuclear Reactions in Solids", Fusion Technology, 31, 228-236 (March 1997) AF Swartz, M, 1998, Improved Electrolytic Reactor PerformanceUsing p-Notch System Operation and Gold AG Anodes, Transactions of the American Nuclear Association, Nashville, Tenn 1998 Meeting (ISSN:0003-018X publisher LaGrange, III) 78, 84-85 Swartz. M., 1997, "Biphasic Behavior in Thermal Electrolytic Generators Using Nickel Cathodes". IECEC AF 1997 Proceedings, paper #97009 P. Hagelstein, M. Swartz, Optics and Quantum AG Electronics, MIT RLE Progress Report, 139: 1, 1-13 (1997)Swartz, M, 1994, "A Method To Improve Algorithms Used To Detect Steady State Excess Enthalpy", Transactions of Fusion Technology, 26, 156-159 AH

AJ

Swartz. M., 1994, "Generalized Isotopic Fuel Loading Equations" "Cold Fusion Source Book", International Symposium On Cold Fusion And Advanced Energy Systems". Ed. Hal Fox. Minsk Belarus

Swartz, M, 1998, "Optimal Operating Point Characteristics of Nickel Light Water Experiments", Proceedings of ICCF-7

EXAMINER

ΑI

Examiner: Palabrica, R.J.

DATE CONSIDERED

Swartz. M.., 1998, Patterns of Failure in Cold Fusion

Experiments, Proceedings of the 33RD Intersociety Engineering Conference on Energy Conversion, IECEC-98-I229, Colorado Springs, CO, August 2-6,

ORM PTO-1440 (modified) LIST OF PATENTS AND **PUBLICATIONS FOR APPLICANT'S** INFORMATION DISCLOSURE

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APPLICANT: Mitchell R. Swartz

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-	AE									Swartz, M, 1997, "Noise Measurement in cold fusion systems, Journal of New Energy, 2, 2, 56-61; Swartz, N 1996, "Definitions Of Power Amplification Factor", J New Energy, 2, 54-59					
	AF									Swartz, M, 1996, "Definitions (Factor", J New Energy, 2, 54-5	59.	·			
	AG									Swartz, M, 1997, "Explanation Between Reports of Excess He Experiments", J New Energy, 2	at in Soli	d State I	rences Fusion		
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SERIAL NO. -X ATTY DOCKET NO. FORM PTO-1440 (modified) Serial no. 09/750, 480 89-VIB (cont) LIST OF PATENTS AND APPLICANT: Mitchell R. Swartz **PUBLICATIONS FOR APPLICANT'S** INFORMATION DISCLOSURE GROUP: STATEMENT FILING DATE: 3641 12/28/00 **U.S. PATENT DOCUMENTS** REFERENCE DESIGNATION RECEIVED ROUP 3600' NAME **CLASS** DOCUMENT NUMBER DAT EXAMINER INITIAL AA AB AC FOREIGN PATENT DOCUMENTS COUNTRY CLASS SUB **TRANS DOCUMENT NUMBER** DATE **EXAMINER** LATION. CLASS INITIAL AD OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.) Verner "ABC Reports on CF Device", Cold Fusion Times, ΑE 4, 2, pp1-3, also 4,6,8 (1996) Wada Nish zawa, "Nuclear Fusion in Solid", 28, 11, AF 2017-2020 (90) Will, K. Cedzynska, D.C. Linton, "Tritium Generation in AG Palladium Cathodes with High Deuterium Loading", Transactions of Fusion Technology, vol 26, Dec. 1994, pp 209-213 Will FG, Cedzynska K, Linton DC; J. Electroanal. Chem. AF 360 (1993) 161, Reproducible tritium generation in electrochemical cells employing palladium cathodes with high deuterium loading Will, Final Report, NCFI AG Wolf et al, Neutron Emission and Tritium Content ..., J. AH Fusion Energy, 9, 2, 105-113 (1990) Yamaguchi, CF Induced by Out Diffusion, Jap Jour App AI Physics, 29, 666 (1990) Zakowicz, Possible Resonant Mechanism of CF", Fusion ΑJ Technology, 19, 170-173 (91) Zhu, Lee, Robinson, "Non Maxwell velocity Distributions ΑK in Inhomogeneous Materials, J Fusion Energy, 9, 4, 465 (90)DATE CONSIDERED **EXAMINER** Examiner: Palabrica, R.J. EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

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	AE								iumig	P. Hagelstein, M. Swartz, Optics and Quantum Electronics,  MIT RLE Progress Report, 139: 1, 1-13 (1997).						
	AF								_ <del></del>	Swartz, M, 1994, "A Method To Improve Algorithms Used To Detect Steady State Excess Enthalpy", Transactions of Fusion Technology, 26, 156-159						
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	AF									Swartz. M., 1994, "Generalized Isotopic Fuel Loading Equations "Cold Fusion Source Book", International Symposium On Cold Fusion And Advanced Energy Systems". Ed. Hal Fox. Minsk Belarus						
	AG									Swartz, M, 1998, "Optimal Operating Point Characteristics of Nickel Light Water Experiments", <i>Proceedings of ICCF-7</i>						
	АН									Swartz, M, 1997, "Noise Measurement in cold fusion systems, Journal of New Energy, 2, 2, 56-61; Swartz, M, 1996, "Definitions Of Power Amplification Factor", <i>J New Energy</i> , 2, 54-59						
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